



Author index

Volume 290 (2000)

- Adachi, T., Wang, J., Wang, X.L., Age-related change of plasma extracellular-superoxide dismutase **290**, 169
- Arakawa, Y., see Ono, K. **290**, 159
- Arenas, J., see Navarro-González, J.A. **290**, 221
- Barnes, L.C., see Price, C.P. **290**, 5
- Bissell, M.G., see Petersen, J.R. **290**, 213
- Bota, A., Gella, F.-J., Canalias, F., Optimization of adenosine deaminase assay by response surface methodology **290**, 145
- Canalias, F., see Bota, A. **290**, 145
- Cembrowski, G.S., see Fagg, K.L. **290**, 73
- de Miguel, F., see Motellón, J.L. **290**, 189
- Díaz, A., see Motellón, J.L. **290**, 189
- Ehrnrooth, E., Sørensen, B.S., Meldgaard, P., Hornung, N., Hjelm Poulsen, J., Von der Maase, H., A new quantitative RT-PCR assay for thymidylate synthase mRNA in blood leukocytes applied to cancer patients and healthy controls **290**, 129
- Esbrit, P., see Motellón, J.L. **290**, 189
- Estey, C.A., see Mifflin, T.E. **290**, 199
- Fagg, K.L., Gordon, P., Reib, B., McGann, J.T., Higa, T.E., Kinniburgh, D.W., Cembrowski, G.S., Laboratory restructuring in metropolitan Edmonton: a model for laboratory reorganization in Canada **290**, 73
- Felder, R.A., see Mifflin, T.E. **290**, 199
- Furuya, D., see Yajima, T. **290**, 117
- Gella, F.-J., see Bota, A. **290**, 145
- Gómez, P., see Navarro-González, J.A. **290**, 221
- Gordon, P., see Fagg, K.L. **290**, 73
- Hashimoto, Y., see Ono, K. **290**, 159
- Higa, T.E., see Fagg, K.L. **290**, 73
- Hirata, K., see Yajima, T. **290**, 117
- Hjelm Poulsen, J., see Ehrnrooth, E. **290**, 129
- Hornung, N., see Ehrnrooth, E. **290**, 129
- Hurtado, J., see Motellón, J.L. **290**, 189
- Ilas, J., Mühl, A., Stöckler-Ipsiroglu, S., Guanidinoacetate methyltransferase (GAMT) deficiency: non-invasive enzymatic diagnosis of a newly recognized inborn error of metabolism **290**, 179
- Iwasaki, A., see Ono, K. **290**, 159
- Jaras, M.J., see Motellón, J.L. **290**, 189
- Jiménez, F.J., see Motellón, J.L. **290**, 189
- Kameshima, H., see Yajima, T. **290**, 117
- Kinniburgh, D.W., see Fagg, K.L. **290**, 73
- Kobayashi, D., see Yajima, T. **290**, 117
- Kurokawa, K., see Ono, K. **290**, 159
- Linde, M.K., see Petersen, J.R. **290**, 213
- Lobato, R.D., see Navarro-González, J.A. **290**, 221
- McGann, J.T., see Fagg, K.L. **290**, 73
- Meldgaard, P., see Ehrnrooth, E. **290**, 129
- Mifflin, T.E., Estey, C.A., Felder, R.A., Robotic automation performs a nested RT-PCR analysis for HCV without introducing sample contamination **290**, 199
- Motellón, J.L., Jiménez, F.J., de Miguel, F., Jaras, M.J., Díaz, A., Hurtado, J., Esbrit, P., Parathyroid hormone-related protein, parathyroid hormone, and vitamin D in hypercalcemia of malignancy **290**, 189

- Mühl, A., see Ilas, J. 290, 179
Müller, M.M., see Oppolzer, E.M. 290, 37
Murata, Y., see Ono, K. 290, 159
- Navarro-González, J.A., Arenas, J., Lobato, R.D., Gómez, P., Rodríguez-Arias, C.A., Levels of nitric oxide are markedly increased in cerebrospinal fluid from patients with severe head injury 290, 221
- Okuda, K., see Tatsumi, N. 290, 93
Ono, K., Sawada, T., Murata, Y., Saito, E., Iwasaki, A., Arakawa, Y., Kurokawa, K., Hashimoto, Y., Pentagalloylglucose, an antisecretory component of *Paoniae radix*, inhibits gastric H^+ , K^+ -ATPase 290, 159
Oppolzer, E.M., Müller, M.M., Health care system and laboratory medicine in Austria: present status and future perspectives 290, 37
- Petersen, J.R., Linde, M.K., Bissell, M.G., The possible association of decreased total cholesterol and severity of disease in elderly hospitalized patients 290, 213
Price, C.P., Barnes, I.C., Laboratory medicine in the United Kingdom: 1948-1998 and beyond 290, 5
- Reib, B., see Fagg, K.L. 290, 73
- Richardson, H., Laboratory medicine in Ontario: its downsizing and the consequences on quality 290, 57
Rodríguez-Arias, C.A., see Navarro-González, J.A. 290, 221
- Saito, E., see Ono, K. 290, 159
Sawada, T., see Ono, K. 290, 159
Sørensen, B.S., see Ehrnrooth, E. 290, 129
Stöckler-Ipsiroglu, S., see Ilas, J. 290, 179
- Tatsumi, N., Okuda, K., Tsuda, I., A new direction in automated laboratory testing in Japan: five years of experience with total laboratory automation system management 290, 93
Tsuda, I., see Tatsumi, N. 290, 93
- von der Maase, H., see Ehrnrooth, E. 290, 129
- Wang, J., see Adachi, T. 290, 169
Wang, X.L., see Adachi, T. 290, 169
Watanabe, N., see Yajima, T. 290, 117
- Yagihashi, A., see Yajima, T. 290, 117
Yajima, T., Yagihashi, A., Kameshima, H., Furuya, D., Kobayashi, D., Hirata, K., Watanabe, N., Establishment of quantitative reverse transcription-polymerase chain reaction assays for human telomerase-associated genes 290, 117

Subject index

Volume 290 (2000)

1,25(OH)₂D₃; PTHrP; PTH; Hypercalcemia of malignancy **290**, 189

Acid secretion; *Paeoniae radix*; Pentagalloylglucose; H⁺; K⁺-ATPase **290**, 159

Adenosine deaminase isoenzymes; Response surface methodology; Pleural fluid. **290**, 145

Amniotic cells; Creatine deficiency; Guanidinoacetate; Fibroblasts; Lymphoblasts **290**, 179

Antioxidant capacity; Extracellular-superoxide dismutase; Plasma **290**, 169

Austrian health politics; European health care; Hospital management strategies **290**, 37

Automation; Robot; RT-PCR; Hepatitis C; HCV; Molecular diagnostics; Contamination **290**, 199

Cholesterol; Low cholesterol; Severity of disease; Outcome study **290**, 213

Clinical Biochemists; Laboratory medicine restructuring; Health-care restructuring; Health-care expenditure; Laboratory Physicians; Medical biochemistry; Quality improvement **290**, 57

Colorectal cancer; Quantitative RT-PCR; Internal standard; Thymidylate synthase mRNA; TS activity; Leukocytes **290**, 129

Contamination; Automation; Robot; RT-PCR; Hepatitis C; HCV; Molecular diagnostics **290**, 199

Core laboratory; Integrated laboratory system; DRG/PPS system; Managed care; POC tests; Laboratory efficiency **290**, 93

Creatine deficiency; Guanidinoacetate; Fibroblasts; Lymphoblasts; Amniotic cells **290**, 179

DRG/PPS system; Integrated laboratory system; Managed care; Core laboratory; POC tests; Laboratory efficiency **290**, 93

European health care; Austrian health politics; Hospital management strategies **290**, 37

Extracellular-superoxide dismutase; Plasma; Antioxidant capacity **290**, 169

Fibroblasts; Creatine deficiency; Guanidinoacetate; Lymphoblasts; Amniotic cells **290**, 179

Guanidinoacetate; Creatine deficiency; Fibroblasts; Lymphoblasts; Amniotic cells **290**, 179

HCV; Automation; Robot; RT-PCR; Hepatitis C; Molecular diagnostics; Contamination **290**, 199

Health-care expenditure; Laboratory medicine restructuring; Health-care restructuring; Laboratory Physicians; Medical biochemistry; Clinical Biochemists; Quality improvement **290**, 57

Health-care restructuring; Laboratory medicine restructuring; Health-care expenditure; Laboratory Physicians; Medical biochemistry; Clinical Biochemists; Quality improvement **290**, 57

- Hepatitis C**; Automation; Robot; RT-PCR; HCV; Molecular diagnostics; Contamination **290, 199**
- Hospital management strategies**; European health care; Austrian health politics **290, 37**
- Hypercalcemia of malignancy**; PTHrP; PTH; $1.25(\text{OH})_2\text{D}_3$ **290, 189**
- H⁺; *Paenoniae radix***; Pentagalloylglucose; K⁺-AT-Pase; Acid secretion **290, 159**
- Integrated laboratory system**; DRG/PPS system; Managed care; Core laboratory; POC tests; Laboratory efficiency **290, 93**
- Internal standard**; Quantitative RT-PCR; Thymidylate synthase mRNA; TS activity; Leukocytes; Colorectal cancer **290, 129**
- K⁺-ATPase; *Paenoniae radix***; Pentagalloylglucose; H⁺; Acid secretion **290, 159**
- Laboratory Physicians**; Laboratory medicine restructuring; Health-care restructuring; Health-care expenditure; Medical biochemistry; Clinical Biochemists; Quality improvement **290, 57**
- Laboratory efficiency**; Integrated laboratory system; DRG/PPS system; Managed care; Core laboratory; POC tests **290, 93**
- Laboratory medicine restructuring**; Health-care restructuring; Health-care expenditure; Laboratory Physicians; Medical biochemistry; Clinical Biochemists; Quality improvement **290, 57**
- Leukocytes**; Quantitative RT-PCR; Internal standard; Thymidylate synthase mRNA; TS activity; Colorectal cancer **290, 129**
- Low cholesterol**; Cholesterol; Severity of disease; Outcome study **290, 213**
- Lymphoblasts**; Creatine deficiency; Guanidinoacetate; Fibroblasts; Amniotic cells **290, 179**
- Managed care**; Integrated laboratory system; DRG/PPS system; Core laboratory; POC tests; Laboratory efficiency **290, 93**
- Medical biochemistry**; Laboratory medicine restructuring; Health-care restructuring; Health-care expenditure; Laboratory Physicians; Clinical Biochemists; Quality improvement **290, 57**
- Molecular diagnostics**; Automation; Robot; RT-PCR; Hepatitis C; HCV; Contamination **290, 199**
- Outcome study**; Cholesterol; Low cholesterol; Severity of disease **290, 213**
- Paenoniae radix***; Pentagalloylglucose; H⁺; K⁺-AT-Pase; Acid secretion **290, 159**
- POC tests**; Integrated laboratory system; DRG/PPS system; Managed care; Core laboratory; Laboratory efficiency **290, 93**
- PTHrP; PTH; $1.25(\text{OH})_2\text{D}_3$** ; Hypercalcemia of malignancy **290, 189**
- PTH; PTHrP; $1.25(\text{OH})_2\text{D}_3$** ; Hypercalcemia of malignancy **290, 189**
- Pentagalloylglucose; *Paenoniae radix***; H⁺; K⁺-AT-Pase; Acid secretion **290, 159**
- Plasma**; Extracellular-superoxide dismutase; Antioxidant capacity **290, 169**
- Pleural fluid**; Response surface methodology; Adenosine deaminase isoenzymes **290, 145**
- Quality improvement**; Laboratory medicine restructuring; Health-care restructuring; Health-care expenditure; Laboratory Physicians; Medical biochemistry; Clinical Biochemists **290, 57**
- Quantitative RT-PCR**; Internal standard; Thymidylate synthase mRNA; TS activity; Leukocytes; Colorectal cancer **290, 129**
- mRNA; hTERT; TEP1; RT-PCR; Telomerase; TaqManTM PCR** **290, 117**
- RT-PCR; hTERT; TEP1; mRNA; Telomerase; TaqManTM PCR** **290, 117**
- RT-PCR**; Automation; Robot; Hepatitis C; HCV; Molecular diagnostics; Contamination **290, 199**
- Response surface methodology**; Adenosine deaminase isoenzymes; Pleural fluid **290, 145**
- Robot**; Automation; RT-PCR; Hepatitis C; HCV; Molecular diagnostics; Contamination **290, 199**

Severity of disease: Cholesterol; Low cholesterol;
Outcome study **290**, 213

TEP1; hTERT; mRNA; RT-PCR; Telomerase;
TaqManTM PCR **290**, 117

hTERT; TEP1; mRNA; RT-PCR; Telomerase;
TaqManTM PCR **290**, 117

TS activity; Quantitative RT-PCR; Internal stan-
dard; Thymidylate synthase mRNA; Leukocytes;
Colorectal cancer **290**, 129

TaqManTM PCR; hTERT; TEP1; mRNA; RT-
PCR; Telomerase **290**, 117

Telomerase; hTERT; TEP1; mRNA; RT-PCR;
TaqManTM PCR **290**, 117

Thymidylate synthase mRNA; Quantitative RT-
PCR; Internal standard; TS activity; Leukocytes;
Colorectal cancer **290**, 129